Tape Diagrams for Division

Fractions

Name: _____ Date: _____ Grade 6

Problems 1–2: Think about the expression $4\frac{1}{2} \div \frac{3}{4}$.

1. **Draw a tape diagram to represent the expression.**

2. **Calculate the quotient.** _____

Problems 3–4: Think about the expression $2\frac{2}{5} \div \frac{3}{5}$.

3. **Draw a tape diagram to represent the expression.**

4. **Calculate the quotient.** _____

5. **A box holds 5 cups of pasta. Mia's family uses $1\frac{1}{4}$ cups of pasta per meal. How many meals does one box last?**

a Draw a diagram to represent the situation. Label your diagram.

b Write a multiplication or division equation. Use a question mark for the unknown. _____

c How many meals does one box last? _____

6. **Jamal is cutting a 6-foot rope into $\frac{2}{3}$-foot pieces.**

a Write a multiplication or division equation. Use a question mark for the unknown. _____

b How many pieces will Jamal cut? _____

7. **Maya and Leo each wrote a question for the equation $? \cdot \frac{1}{4} = 5$.**

Maya's Question	Leo's Question
How many $\frac{1}{4}$s are in 5?	How many 5s are in $\frac{1}{4}$?

Who wrote a question that matches the equation? Circle one. **Maya** **Leo** **Neither**